



GE Silicones

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FORMAT: USA  
PRODUCT: GE312

MATERIAL SAFETY DATA SHEET  
SILICONE RUBBER SEALANT

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

MANUFACTURED BY:  
INACTIVE  
-

SUPPLIED BY:  
INACTIVE  
-

EMERGENCY PHONE (24 HRS)  
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EMERGENCY PHONE (24 HRS)  
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REVISED: 04/01/01  
PREPARER: CE HANNIGAN  
CHEMICAL FAMILY/USE: SILICONE RUBBER SEALANT  
FORMULA: MIXTURE

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

PRODUCT COMPOSITION/ CAS REG NO.	APPROX. WGT. %	ACGIH TLV TWA	ACGIH TLV STEL	OSHA PEL TWA	OSHA PEL STEL	UNITS
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### 1. HAZARDOUS

METHYLTRIAACETOXYSILANE

4253-34-3	1-5	10 (R)	NE	10 (R)	NE	PPM
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### 2. NON-HAZARDOUS

POLYDIMETHYLSILOXANE SILANOL/STPD

70131-67-8	60-80	-	NE	-	NE	-
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SILANOL/STPD SILOXANE W/ME SILSQXNS

68554-67-6	5-10	NF	NE	NF	NE	NA
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TREATED FUMED SILICA

68611-44-9	5-10	10	NE	15	NE	MG/M3
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DIMETHYLPOLYSILOXANE

63148-62-9	1-5	NA	NE	NA	NE	NA
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See Section 15 for description of any WHMIS Trade Secret(s).

## 3. HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW:

This section not in use

POTENTIAL HEALTH EFFECTS:

INGESTION:

May be harmful if swallowed.

SKIN CONTACT:

Uncured product contact will irritate lips, gums and tongue.

Uncured product contact may irritate the skin.

INHALATION:

Causes irritation of the mouth, nose, and throat.

Applies only in uncured state.

EYE CONTACT:

Uncured product contact irritates eyes.

MEDICAL CONDITIONS AGGRAVATED:

None known.

SUBCHRONIC (TARGET ORGAN) EFFECTS:

None known

CHRONIC EFFECTS/CARCINOGENICITY:

This product or one of its ingredients present 0.1% or more is NOT listed as a carcinogen or suspected carcinogen by NTP, IARC, or OSHA.

PRODUCTS/INGREDIENTS

This space reserved for special use.

PRINCIPLE ROUTES OF EXPOSURE:

Dermal - skin.

Eyes.

Inhalation.

OTHER:

Acetic acid released during curing.

This product contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300 degrees Fahrenheit (150'C) and above, in atmospheres which contain oxygen. Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard. An MSDS for Formaldehyde is available from GE Silicones.

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4. FIRST AID MEASURES

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INGESTION:

Rinse mouth with water several times.

SKIN:

To clean from skin, remove completely with a dry cloth or paper towel, before washing with detergent and water.

Get medical attention if irritation persists.

INHALATION:

Move person to fresh air.

EYES:

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

NOTE TO PHYSICIAN:

None known.

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5. FIRE FIGHTING MEASURES

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FLASH POINT: NA (C) NA (F)  
METHOD : NA  
IGNITION TEMP : UNK (C) UNK (F)  
FLAMMABLE LIMITS IN AIR - LOWER (%): UNK  
FLAMMABLE LIMITS IN AIR - UPPER (%): UNK  
SENSITIVITY TO MECHANICAL IMPACT (Y/N): NO  
SENSITIVITY TO STATIC DISCHARGE:  
Sensitivity to static discharge is not expected.  
EXTINGUISHING MEDIA:  
All standard firefighting media  
SPECIAL FIREFIGHTING PROCEDURES:  
None known.

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6. ACCIDENTAL RELEASE MEASURES

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ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:  
Wipe, scrape or soak up in an inert material and put in a  
container for disposal.  
Wash walking surfaces with detergent and water to reduce slip-  
ping hazard.  
Wear proper protective equipment as specified in the protective  
equipment section.  
Increase area ventilation.

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7. HANDLING AND STORAGE

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:  
Avoid contact with skin and eyes.  
Use only in a well ventilated area.  
Caution!  
Remove contact lenses before using sealant. Do not handle  
lenses until all sealant has been cleaned from the finger-  
tips, nails and cuticles. Residual sealant may remain on  
fingers for several days and transfer to lenses and cause  
severe eye irritation.  
Product releases acetic acid during application and curing.  
Use mechanical ventilation to stay below TLV of 10 ppm acetic

acid.  
Uncured product contact irritates eyes.  
Uncured product contact may irritate skin.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### ENGINEERING CONTROLS:

Eyewash stations.

Use in a well ventilated area.

### RESPIRATORY PROTECTION:

Use in a well ventilated area.

Use approved NIOSH respiratory protection if TLV exceeded or overexposure is likely.

### PROTECTIVE GLOVES:

Cloth gloves.

### EYE AND FACE PROTECTION:

Safety glasses.

### OTHER PROTECTIVE EQUIPMENT:

None known.

### VENTILATION:

Use only in well ventilated area.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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### PRODUCT INFORMATION:

BOILING POINT	:	NA	(C) NA	(F)
VAPOR PRESSURE (20 C) (MM HG)	:	NA		
VAPOR DENSITY (AIR=1)	:	NA		
FREEZING POINT	:	NA	(C) NA	(F)
MELTING POINT	:	NA	(C) NA	(F)
PHYSICAL STATE	:	SOLID		
ODOR	:	ACETIC ACID		
COLOR	:	BLACK		
ODOR THRESHOLD (PPM)	:	UNK		
% VOLATILE BY VOLUME	:	<3.9		
EVAP. RATE (BUTYL ACETATE=1)	:	<1		
SPECIFIC GRAVITY (WATER=1)	:	1.04		
DENSITY (KG/M3)	:	1040		
ACID/ALKALINITY (MEQ/G)	:	NA		
PH	:	NA		
VOC EXCL.H2O & EXEMPTS (G/L)	:	<41		
SOLUBILITY IN WATER (20 C)	:	INSOLUBLE		
SOLUBILITY IN ORGANIC SOLVENT (STATE SOLVENT)	:		TOLUENE	

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## 10. STABILITY AND REACTIVITY

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HAZARDOUS POLYMERIZATION: WILL NOT OCCUR  
HAZARDOUS THERMAL DECOMPOSITION/COMBUSTION PRODUCTS:  
Carbon monoxide.  
Carbon dioxide.  
Silicon dioxide.  
Acetic acid.  
INCOMPATIBILITY (MATERIALS TO AVOID):  
None known.  
CONDITIONS TO AVOID:  
None known.

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## 11. TOXICOLOGICAL INFORMATION

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METHYLTRIACETOXYSILANE  
ACUTE ORAL LD50 (MG/KG): 2,060 (RAT)  
ACUTE DERMAL LD50 (MG/KG): NONE FOUND  
ACUTE INHALATION LC50 (MG/L): NONE FOUND  
OTHER:  
None.

AMES TEST:

POLYDIMETHYLSILOXANE SILANOL/STPD  
ACUTE ORAL LD50 (MG/KG): >40000 RAT  
ACUTE DERMAL LD50 (MG/KG): NON-IRRITATING RBT  
ACUTE INHALATION LC50 (MG/L): >535 RAT  
OTHER:  
None.

AMES TEST:

SILANOL/STPD SILOXANE W/ME SILSQXNS  
ACUTE ORAL LD50 (MG/KG): >40,000 RAT, ESTM.  
ACUTE DERMAL LD50 (MG/KG): NONE FOUND  
ACUTE INHALATION LC50 (MG/L): >535 MG/L ESTM.  
OTHER:  
None.

AMES TEST:

TREATED FUMED SILICA  
ACUTE ORAL LD50 (MG/KG): >10,000MG/KG (RAT)  
ACUTE DERMAL LD50 (MG/KG): NA  
ACUTE INHALATION LC50 (MG/L): NA  
OTHER:

None.

AMES TEST:

DIMETHYLPOLYSILOXANE

ACUTE ORAL LD50 (MG/KG): 20,000 RAT

ACUTE DERMAL LD50 (MG/KG): NONE

ACUTE INHALATION LC50 (MG/L): NONE

OTHER:

Tested for acute oral LD50.

AMES TEST:

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12. ECOLOGICAL INFORMATION

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ECOTOXICOLOGICAL INFORMATION: No data at this time

CHEMICAL FATE INFORMATION: No data at this time

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13. DISPOSAL CONSIDERATIONS

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DISPOSAL METHOD:

Disposal should be made in accordance with federal, state and local regulations.

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14. TRANSPORT INFORMATION

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DOT SHIPPING NAME: NA

DOT HAZARD CLASS: NOT DOT REGULATED

DOT LABEL(S): NA

UN/NA NUMBER: NA

PLACARDS: NONE

IATA:

NOT REGULATED BY IATA

IMO IMDG-code: NOT REGULATED FOR OCEAN TRANSPORTATION

EMS No: NA

EUROPEAN CLASS:

RID (OCTI): NA

ADR (ECE): NA

RAR (IATA): NA

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15. REGULATORY INFORMATION

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SARA SECTION 302:

None Found

SARA (311,312) HAZARD CLASS:

ACUTE HEALTH HAZARD

SARA (313) CHEMICALS:

NONE

CPSC CLASSIFICATION: NA

WHMIS HAZARD CLASS:

D2A VERY TOXIC MATERIALS

D2B TOXIC MATERIALS

WHMIS TRADE SECRET:

None

EXPORT:

SCHDLE B/HTSUS: 3214.10 Mastic Based on Rubber

ECCN: EAR99

HAZARD RATING SYSTEMS

HMIS FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2

NFPA FLAMMABILITY 0 , REACTIVITY 0 , HEALTH 2

CALIFORNIA PROPOSITION 65:

NONE

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16. OTHER INFORMATION

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This product or its components are on the European inventory of existing commercial chemicals (EINECS).....

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These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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C = ceiling limit                      NEGL = negligible  
EST= estimated                        NF = none found  
NA = not applicable                   UNKN = unknown  
NE = none established                REC = recommended  
ND = none determined                V = recomm. By vendor  
By-product = reaction by-        SKN = skin  
product, TSCA inventory        TS = trade secret  
status not required under        R = recommended  
40 CFR part 720.30(h-2)        MST = mist  
STEL = short term exposure        NT = not tested  
limit  
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